

#12

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/461,436

DATE: 10/29/2001

TIME: 11:02:21

Input Set : N:\CrF3\RULE60\09461436.txt

Output Set: N:\CRF3\10292001\I461436.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Hinuma, Shuji
 7 Hosoya, Masaki
 8 Fujii, Ryo
 9 Ohtaki, Tetsuya
 10 Fukusumi, Shoji
 11 Ohgi, Kazuhiro

13 (ii) TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
 14 PRODUCTION, AND USE THEREOF

16 (iii) NUMBER OF SEQUENCES: 380

18 (iv) CORRESPONDENCE ADDRESS:

19 (A) ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
 20 (B) STREET: 130 Water Street
 21 (C) CITY: Boston
 22 (D) STATE: MA
 23 (E) COUNTRY: USA
 24 (F) ZIP: 02109

26 (v) COMPUTER READABLE FORM:

27 (A) MEDIUM TYPE: Floppy disk
 28 (B) COMPUTER: IBM PC compatible
 29 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 30 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

32 (vi) CURRENT APPLICATION DATA:

C--> 33 (A) APPLICATION NUMBER: US/09/461,436
 C--> 34 (B) FILING DATE: 14-Dec-1999
 35 (C) CLASSIFICATION:

77 (vii) PRIOR APPLICATION DATA:

38 (A) APPLICATION NUMBER: 08/513,974
 39 (B) FILING DATE:
 42 (A) APPLICATION NUMBER: JP 7-093989
 43 (B) FILING DATE: 19-AUG-1995
 46 (A) APPLICATION NUMBER: JP 7-057186
 47 (B) FILING DATE: 16-MAR-1995
 50 (A) APPLICATION NUMBER: JP 7-007177
 51 (B) FILING DATE: 20-JAN-1995
 54 (A) APPLICATION NUMBER: JP 6-326611
 55 (B) FILING DATE: 28-DEC-1994
 58 (A) APPLICATION NUMBER: JP 6-270017
 59 (B) FILING DATE: 02-NOV-1994
 62 (A) APPLICATION NUMBER: JP 6-236357
 63 (B) FILING DATE: 30-SEP-1994
 66 (A) APPLICATION NUMBER: JP 6-236356
 67 (B) FILING DATE: 30-SEP-1994
 70 (A) APPLICATION NUMBER: JP 6-189274
 71 (B) FILING DATE: 11-AUG-1994
 74 (A) APPLICATION NUMBER: JP 6-189273

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75      (B) FILING DATE: 11-AUG-1945
78      (A) APPLICATION NUMBER: JP 6-189272
79      (B) FILING DATE: 11-AUG-1994
81      (viii) ATTORNEY/AGENT INFORMATION:
82          (A) NAME: Resnick, David S.
83          (B) REGISTRATION NUMBER: 34,235
84          (C) REFERENCE/DOCKET NUMBER: 45753
86      (ix) TELECOMMUNICATION INFORMATION:
87          (A) TELEPHONE: 617-523-3400
88          (B) TELEFAX: 617-523-6440
91      (2) INFORMATION FOR SEQ ID NO: 1:
93          (i) SEQUENCE CHARACTERISTICS:
94              (A) LENGTH: 25 base pairs
95              (B) TYPE: nucleic acid
96              (C) STRANDEDNESS: single
97              (D) TOPOLOGY: linear
99          (ii) MOLECULE TYPE: other nucleic acid
100             (A) DESCRIPTION: /desc = "synthetic DNA"
105          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
107 CGTGGSCMTS STGGGCAACN YCCTG                                     25
109      (2) INFORMATION FOR SEQ ID NO: 2:
111          (i) SEQUENCE CHARACTERISTICS:
112              (A) LENGTH: 27 base pairs
113              (B) TYPE: nucleic acid
114              (C) STRANDEDNESS: single
115              (D) TOPOLOGY: linear
117          (ii) MOLECULE TYPE: other nucleic acid
118             (A) DESCRIPTION: /desc = "synthetic DNA"
123          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
125 GTNGWRRGGC ANCCAGCAGA KGGCAAA                                     27
127      (2) INFORMATION FOR SEQ ID NO: 3:
129          (i) SEQUENCE CHARACTERISTICS:
130              (A) LENGTH: 27 base pairs
131              (B) TYPE: nucleic acid
132              (C) STRANDEDNESS: single
133              (D) TOPOLOGY: linear
135          (ii) MOLECULE TYPE: other nucleic acid
136             (A) DESCRIPTION: /desc = "synthetic DNA"
138          (ix) FEATURE:
139              (D) OTHER INFORMATION: N = inosine
142          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
144 CTCGCSGCMY TNRGYATGGA YCGNTAT                                     27
146      (2) INFORMATION FOR SEQ ID NO: 4:
148          (i) SEQUENCE CHARACTERISTICS:
149              (A) LENGTH: 30 base pairs
150              (B) TYPE: nucleic acid
151              (C) STRANDEDNESS: single
152              (D) TOPOLOGY: linear
154          (ii) MOLECULE TYPE: other nucleic acid

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155      (A) DESCRIPTION: /desc = "synthetic DNA
157      (ix) FEATURE:
158      (D) OTHER INFORMATION: N = inosine
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
163 CATGTRGWAG GGAANCCAGS AMANRARRAA
165 (2) INFORMATION FOR SEQ ID NO: 5:
167      (i) SEQUENCE CHARACTERISTICS:
168          (A) LENGTH: 27 base pairs
169          (B) TYPE: nucleic acid
170          (C) STRANDEDNESS: single
171          (D) TOPOLOGY: linear
173      (ii) MOLECULE TYPE: other nucleic acid
174      (A) DESCRIPTION: /desc = "synthetic DNA
177      (ix) FEATURE:
178      (D) OTHER INFORMATION: N = inosine
180      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
182 CTGACYGYTC TNRSNRYTGA CMGVTAC
184 (2) INFORMATION FOR SEQ ID NO: 6:
186      (i) SEQUENCE CHARACTERISTICS:
187          (A) LENGTH: 27 base pairs
188          (B) TYPE: nucleic acid
189          (C) STRANDEDNESS: single
190          (D) TOPOLOGY: linear
192      (ii) MOLECULE TYPE: other nucleic acid
193      (A) DESCRIPTION: /desc = "synthetic DNA
196      (ix) FEATURE:
197      (D) OTHER INFORMATION: N = inosine
199      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
201 CTGACYGYTC TNRSNRYTGA CMGVTAT
203 (2) INFORMATION FOR SEQ ID NO: 7:
205      (i) SEQUENCE CHARACTERISTICS:
206          (A) LENGTH: 27 base pairs
207          (B) TYPE: nucleic acid
208          (C) STRANDEDNESS: single
209          (D) TOPOLOGY: linear
211      (ii) MOLECULE TYPE: other nucleic acid
212      (A) DESCRIPTION: /desc = "synthetic DNA
214      (ix) FEATURE:
215      (D) OTHER INFORMATION: N = inosine
218      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
220 CTCGCSGCIYM TNRGYATGGA YCGNTAC
222 (2) INFORMATION FOR SEQ ID NO: 8:
224      (i) SEQUENCE CHARACTERISTICS:
225          (A) LENGTH: 30 base pairs
226          (B) TYPE: nucleic acid
227          (C) STRANDEDNESS: single
228          (D) TOPOLOGY: linear
230      (ii) MOLECULE TYPE: other nucleic acid
231      (A) DESCRIPTION: /desc = "synthetic DNA

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233      (ix) FEATURE:
234          (D) OTHER INFORMATION: N = inosine
237      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
239 GATGTGRTAR GGSRNCCAAC AGANGRYAAA                                30
241 (2) INFORMATION FOR SEQ ID NO: 9:
243      (i) SEQUENCE CHARACTERISTICS:
244          (A) LENGTH: 30 base pairs
245          (B) TYPE: nucleic acid
246          (C) STRANDEDNESS: single
247          (D) TOPOLOGY: linear
249      (ii) MOLECULE TYPE: other nucleic acid
250          (A) DESCRIPTION: /desc = "synthetic DNA
253      (ix) FEATURE:
254          (D) OTHER INFORMATION: N = inosine
256      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
258 GATGTGRTAR GGSRNCCAAC AGANGRYGAA                                30
260 (2) INFORMATION FOR SEQ ID NO: 10:
262      (i) SEQUENCE CHARACTERISTICS:
263          (A) LENGTH: 27 base pairs
264          (B) TYPE: nucleic acid
265          (C) STRANDEDNESS: single
266          (D) TOPOLOGY: linear
268      (ii) MOLECULE TYPE: other nucleic acid
269          (A) DESCRIPTION: /desc = "synthetic DNA
272      (ix) FEATURE:
273          (D) OTHER INFORMATION: N = inosine
275      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
277 GYCACCAACN WSTTCATCCT SWNHCTG                                27
279 (2) INFORMATION FOR SEQ ID NO: 11:
281      (i) SEQUENCE CHARACTERISTICS:
282          (A) LENGTH: 27 base pairs
283          (B) TYPE: nucleic acid
284          (C) STRANDEDNESS: single
285          (D) TOPOLOGY: linear
287      (ii) MOLECULE TYPE: other nucleic acid
288          (A) DESCRIPTION: /desc = "synthetic DNA
291      (ix) FEATURE:
292          (D) OTHER INFORMATION: N = inosine
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
296 ASNSANRAAG SARTAGANGA NRGGR TT                                27
298 (2) INFORMATION FOR SEQ ID NO: 12:
300      (i) SEQUENCE CHARACTERISTICS:
301          (A) LENGTH: 25 base pairs
302          (B) TYPE: nucleic acid
303          (C) STRANDEDNESS: single
304          (D) TOPOLOGY: linear
306      (ii) MOLECULE TYPE: other nucleic acid
307          (A) DESCRIPTION: /desc = "synthetic DNA
309      (ix) FEATURE:

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310          (D) OTHER INFORMATION: N = inosine
313      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
315 TGNTSSTKMT NGSNGTKGTN GGNAA
317 (2) INFORMATION FOR SEQ ID NO: 13:
319      (i) SEQUENCE CHARACTERISTICS:
320          (A) LENGTH: 25 base pairs
321          (B) TYPE: nucleic acid
322          (C) STRANDEDNESS: single
323          (D) TOPOLOGY: linear
325      (ii) MOLECULE TYPE: other nucleic acid
326          (A) DESCRIPTION: /desc = "synthetic DNA
329      (ix) FEATURE:
330          (D) OTHER INFORMATION: N = inosine
332      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
334 AYCKGTAYCK GTCCANKGWN ATKGC
336 (2) INFORMATION FOR SEQ ID NO: 14:
338      (i) SEQUENCE CHARACTERISTICS:
339          (A) LENGTH: 24 base pairs
340          (B) TYPE: nucleic acid
341          (C) STRANDEDNESS: single
342          (D) TOPOLOGY: linear
344      (ii) MOLECULE TYPE: other nucleic acid
345          (A) DESCRIPTION: /desc = "synthetic DNA
348      (ix) FEATURE:
349          (D) OTHER INFORMATION: N = inosine
351      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
353 CATKKCCSTG GASAGNTAYN TRGC
355 (2) INFORMATION FOR SEQ ID NO: 15:
357      (i) SEQUENCE CHARACTERISTICS:
358          (A) LENGTH: 24 base pairs
359          (B) TYPE: nucleic acid
360          (C) STRANDEDNESS: single
361          (D) TOPOLOGY: linear
363      (ii) MOLECULE TYPE: other nucleic acid
364          (A) DESCRIPTION: /desc = "synthetic DNA
367      (ix) FEATURE:
368          (D) OTHER INFORMATION: N = inosine
370      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
372 GWWGGGSAKC CAGCASANGG CRAA
374 (2) INFORMATION FOR SEQ ID NO: 16:
376      (i) SEQUENCE CHARACTERISTICS:
377          (A) LENGTH: 18 base pairs
378          (B) TYPE: nucleic acid
379          (C) STRANDEDNESS: single
380          (D) TOPOLOGY: linear
382      (ii) MOLECULE TYPE: other nucleic acid
383          (A) DESCRIPTION: /desc = "synthetic DNA
385      (ix) FEATURE:
386          (D) OTHER INFORMATION: N at position 6, 9, 10 & 12 = inosine;

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VERIFICATION SUMMARY

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Input Set : N:\CrF3\RULE60\09461436.txt

Output Set: N:\CRF3\10292001\I461436.raw

L:33 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:34 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:8088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343

L:8169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344